

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1-15. (Canceled)

1           16.   (New): An audio/video information processing apparatus comprising:  
2           a source to provide audio/visual information which constitutes a digital broadcast  
3 program, the audio/visual information having associated therewith attribute information  
4 representative of a plurality of attributes of the audio/visual information, wherein one or more  
5 digital broadcast programs can be received, each digital broadcast program having its associated  
6 attributes;  
7           data storage to store the audio/visual information and its associated attribute  
8 information;  
9           an index generator to produce index information based on the attribute  
10 information, the index generator being associated with retrieval criteria used to select a plurality  
11 of first attributes from the attribute information;  
12           a code generator to produce executable code, the executable code incorporating  
13 the index information; and  
14           a transmitter operative to transmit the executable code as a transmitted signal.

1           17.   (New): The apparatus of claim 16 wherein the source is a storage medium  
2 having stored thereon the audio/visual information.

1           18.   (New): The apparatus of claim 16 wherein the source is a receiver  
2 operative to receive a broadcast signal and to produce the audio/visual information from the  
3 broadcast signal.

1                   19.     (New): The apparatus of claim 16 wherein the index information includes  
2 one or more of a title of the broadcast program, a channel, a broadcast time, or genre  
3 information.

1                   20.     (New): The apparatus of claim 16 wherein the executable code is  
2 multiplexed with the audio/visual information to produce the transmitted signal.

1                   21.     (New): The apparatus of claim 16 wherein the transmitter is further  
2 operative to transmit the executable code in a first channel of the transmitted signal and to  
3 transmit the audio/visual information in a second channel of the transmitted signal.

1                   22.     (New): The apparatus of claim 16 wherein the code generator can  
2 selectively produce the executable code in one of a plurality of languages.

1                   23.     (New): The apparatus of claim 16 wherein the executable code is  
2 expressed in BML, HTML, ECMA, or JAVA language.

1                   24.     (New): The apparatus of claim 16 wherein the source comprises a  
2 receiver operative to receive a broadcast signal, a demodulator to demodulate a received signal,  
3 and a demultiplexer to demultiplex a demodulated signal.

1                   25.     (New): A display device to display audio/visual information comprising:  
2 a receiver to receive audio/visual information and executable code, the  
3 audio/visual information constituting a plurality of broadcast programs, the broadcast programs  
4 having associated therewith attribute information representative of a plurality of attributes of the  
5 audio/visual information, wherein the executable code includes data representative of index  
6 information, the index information comprising one or more of the attributes;

7 an execution unit to process the executable code, whereby the index information  
8 can be presented to a user thus identifying one or more broadcast programs associated with the  
9 index information, whereby a user can select one of the one or more broadcast programs; and  
10 a display to display a selected one of the one or more broadcast programs.

1                   26.     (New): The device of claim 25 further comprising user interface to  
2     present said index information to said user.

1                   27.     (New): The device of claim 25 wherein the list of index information is  
2     displayed on the display.

1                   28.     (New): The device of claim 25 wherein the index information includes  
2     one or more of a title of the broadcast program, a channel, a broadcast time, or genre  
3     information.

1                   29.     (New): An audio/video information retrieval system comprising:  
2                   a data store for storing a plurality of audio/visual content received from one or  
3     more source media, each content being associated with attribute information, each content  
4     representing a broadcast program that can be viewed by a user;  
5                   an executable content retrieval program for retrieving a selected one of said  
6     audio/visual content from among said plurality of audio/visual content;  
7                   an first generator to generate index information from the attribute information;  
8                   a second generator to generate the executable content retrieval program, wherein  
9     the index information is incorporated in the executable content retrieval program; and  
10                  a transmitter to transmit the audio/visual content, the attribute information, and  
11     the executable content retrieval program as a transmitted signal to a receiving device,  
12                  wherein the receiving device comprises a receiver to receive the transmitted  
13     signal and a computing unit to execute the content retrieval program whereby a user can select a  
14     broadcast program for viewing.

1                   30.     (New): The device of claim 29 wherein the computing element comprises  
2     a processor and an interpreter program that executes on the processor, wherein the interpreter  
3     program executes the content retrieval program.